

### **Catheter-Associated Urinary Tract Infection (CAUTI)**

- **Data source:** CDC’s National Healthcare Safety Network (NHSN), Device-Associated Module
- **Definition:** <http://www.cdc.gov/nhsn/pdfs/pscManual/7pscCAUTICurrent.pdf>
- **5-Year (2013) National Prevention Target:** 25% reduction in CAUTI in intensive care unit (ICU) and ward-located patients [i.e., national Standardized Infection Ratio (SIR) for CAUTI = 0.75]
- **Metric:** SIR
  - The SIR compares the observed number of healthcare-associated infections (HAIs) in the U.S. during a reporting period with the baseline U.S. experience
  - Risk adjustment: this metric adjusts for a variety of predictors of CAUTI
  - SIR < 1.0 means fewer HAIs observed during the reporting period than predicted from baseline data; SIR > 1.0 means more HAIs observed than predicted
- **Baseline period:** 2009
- **Baseline data:** CAUTI data reported to NHSN during 2009 from all acute care hospitals (ICUs and wards only)
  - 639 facilities reporting; 2,642 locations reporting; 40% ICU; 3,881,311 catheter-days reported
  - 1 state had a legislative mandate to report CAUTI data to NHSN that was in place at some point during 2006-2008
- **2009 data:** part of baseline
  - 2 states had legislative mandates to report CAUTI data to NHSN that were in place during 2009

Measure	Baseline (2009)	2010
National SIR	N/A	‡
National % reduction	N/A	‡
# states with SIR significantly < 1.0	N/A	‡
% states with SIR significantly < 1.0	N/A	‡

‡ Final estimates available September 2011

Location-Specific CAUTI Data for Most Frequently-Reporting Location Types: Baseline Period (2009)\*

Location Type		No. of Locations	No. of CAUTI	Catheter-days	Rate (per 1,000 catheter-days)
ICU	Medical/surgical major teaching	95	597	257,981	2.3
	Medical/surgical all others	385	963	758,501	1.3
	Surgical cardiothoracic	92	306	184,183	1.7
	Surgical	91	607	233,374	2.6
Ward	Medical	213	430	230,952	1.9
	Medical/surgical	622	1,140	712,212	1.6
	Rehabilitation	147	258	68,055	3.8
	Surgical	109	285	155,042	1.8

Data as of September 2010

**Metric Definitions**

A urinary tract infection (UTI) in a patient that had an indwelling urinary catheter at the time of or within 48 hours before onset of the event.

UTI: defined using symptomatic urinary tract infection (SUTI) criteria or Asymptomatic Bacteremic UTI (ABUTI) criteria (*note: criteria were revised Jan 2009*).

Indwelling catheter: a drainage tube that is inserted into the urinary bladder through the urethra, is left in place, and is connected to a closed collection system; also called a Foley catheter.